



Indiana Department of Environmental Management
Office of Air Management
Rule Fact Sheet
(April 12, 2001)

Process Weight Rates
99-265(APCB)

Overview

This rulemaking concerns emissions limitations for process operations.

Citations Affected

Amends: 326 IAC 6-3

Affected Persons

Sources located in the state of Indiana that have process operations that emit particulate matter and the public in the vicinity of these sources.

Potential Cost

Potential cost is low. The rulemaking clarifies the existing rule. It does not require additional control efforts beyond those now required.

Outreach

Meeting with interested parties to solicit suggestions for process control technologies and work practices on June 1, 2000.
Notification sent to interested parties of the publication of Second Notice/Draft Rule on February 1, 2001.

Description

In 1968 the Indiana Department of Environmental Management (IDEM) promulgated rules, found at 326 IAC 6-3, limiting particulate matter emissions for process operations. For the purposes of 326 IAC 6-3,

process operations include sand blasting, shot blasting, surface coating, grinding, and any other process that has the potential to emit particulate matter into the atmosphere.

The rule provides two equations for calculating allowable emission rates for process operations, one for process weight up to sixty thousand (60,000) pounds per hour (lbs/hr) and another for larger process weights. Process weights are based on the total weight of all materials introduced into any source operation. The rule provides a table, in 326 IAC 6-3-2(e), where emission rates are precalculated using the formulas for the range of process operations from 100 lbs to 6,000,000 lbs. Most process operations must comply with the emission rates calculated by the formulas, however, limits for operations at cement kilns and catalytic cracking units are set out separately in the rule. Sources may have more specific additional particulate matter limits set forth in 326 IAC 6-1 (nonattainment area particulate limitations) or 326 IAC 6-2 (particulate emissions limitations for sources of indirect heating).

The table's lowest listed process weight rate is 100 lbs/hr, and its allowable emission rate is 0.551 lb/hr. Emission limitations for process weights of less than 100 lbs/hr are not specifically identified in the table, but are not exempted from the rule. Emissions from

processes less than 100 lbs/hr can still be considerable. IDEM proposes to amend 326 IAC 6-3 to make clear that sources with process weight levels below 100 lbs/hr shall limit their particulate emissions to 0.551 lb/hr. The draft rule exempts very small operations and includes control methods and work practice standards, instead of use of the table, for surface coating, reinforced plastics composites fabricating operations and graphic arts operations. In addition, IDEM has also corrected several miscalculated rates in the table at 326 IAC 6-3-2(c).

action can be obtained by calling (800) 451-6027 (in Indiana), press 0 and ask for Patricia Troth, Rule Development Section, Office of Air Quality (or for extension 3-5681 or dial (317) 232-5681.

Consideration of Factors Outlined in Indiana Code 13-14-8-4

Indiana Code 13-14-8-4 requires that in adopting rules and establishing standards, the board shall take into account the following:

- 1) All existing physical conditions and the character of the area affected.
- 2) Past, present, and probable future uses of the area, including the character of the uses of surrounding areas.
- 3) Zoning classifications.
- 4) The nature of the existing air quality or existing water quality, as appropriate.
- 5) Technical feasibility, including the quality conditions that could be reasonably be achieved through coordinated control of all factors affecting the quality.
- 6) Economic reasonableness of measuring or reducing any particular type of pollution.
- 7) The right of all persons to an environment sufficiently uncontaminated as not to be injurious to:
 - (A) human, plant animal, or aquatic life; or
 - (B) the reasonable enjoyment of life and property.

Consistency with Federal Requirements

The amended rules are consistent with federal rules.

IDEM Contact

Additional information regarding this rulemaking



Indiana Department of Environmental Management
Office of Air Quality
Rule Fact Sheet
(February 6, 2002)
(Updates from April 12, 2001 Preliminary Adoption)

Process Weight Rates
99-265(APCB)

Overview

This rulemaking concerns limitations for emissions of particulate from manufacturing processes.

Citations Affected

Amends: 326 IAC 6-3

Affected Persons

Sources located in the state of Indiana that have manufacturing processes that emit particulate and the public in the vicinity of these sources.

Potential Cost

No additional costs.

Additional Outreach Since Preliminary Adoption

Meetings with interested parties: August 29, 2001; September 25, 2001. Meeting and conference call with interested parties on December 4, 2001. Drafts sent to interested parties on November 19, 2001 and December 21, 2001.

Description of Rule Changes Since Preliminary Adoption

IDEM presented this rule to the Air Pollution Control Board for final adoption on August 1, 2001. After hearing testimony from

stakeholders, the Board directed IDEM to hold further meetings to address outstanding issues. IDEM held a series of meetings and produced additional drafts of the rule for informal comment.

The following is a summary of language changes made to the rule since preliminary adoption. The majority of these language changes are the result of discussion with stakeholders since August 2001.

The rule now uses the term "particulate" consistently, and defines it. Indiana first adopted 326 IAC 6-3, Process Operations, in 1968. At the time, IDEM based the emission limits in the rule on total suspended particle (TSP), but the terms "particulate and "particulate matter" were both used in the rule. Later, IDEM defined particulate matter in 326 IAC 1-2-52 to mean an aerodynamic smaller than one hundred (100) micrometers. However, IDEM never made the change to the definition of particulate matter in the emission limits in the table in 326 IAC 6-3-2. The emission limits in the table are still based on the original TSP limitations. 326 IAC 6-3 has always been intended and applied so as to address particulate larger than one hundred (100) micrometers as well as smaller particulate.

The scope of the rule has been narrowed to apply to “manufacturing processes”, which has been defined. In addition, the exemption list has been expanded.

Included in the exemption list are several types of surface coating manufacturing processes. Also, waterwash was added as control technology for surface coating manufacturing processes in 326 IAC 6-3-2(d). The exception for surface coating manufacturing processes was reduced to five (5) gallons per day to better correspond to the five hundred fifty-one thousandths (0.551) pound per hour *de minimis* exemption for other manufacturing processes.

The list in 326 IAC 6-3-1(c) was expanded to allow manufacturing processes subject to a more stringent particulate matter (as defined in 40 CFR 60.2) limitation to be exempt from 326 IAC 6-3.

With respect to applicability and Title V certification concerns, IDEM intends to provide further guidance on implementation of this rule through nonrule policies as suggested by interested parties. IDEM will work with the public to develop such policies.

Consideration of Factors Outlined in Indiana Code 13-14-8-4

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- 3) Zoning classifications.
- 4) The nature of the existing air quality or existing water quality, as appropriate.
- 5) Technical feasibility, including the quality conditions that could reasonably be achieved

through coordinated control of all factors affecting the quality.

6) Economic reasonableness of measuring or reducing any particular type of pollution.

7) The right of all persons to an environment sufficiently uncontaminated as not to be injurious to:

- (A) human, plant, animal, or aquatic life; or
- (B) the reasonable enjoyment of life and property.

Consistency with Federal Requirements

The amended rules are consistent with federal rules.

IDEM Contact

Additional information regarding this rulemaking action can be obtained by calling (800) 451-6027 (in Indiana), press 0 and ask for Gayla Killough, Rule Development Section, Office of Air Quality (or for extension 3-8628 or dial (317) 233-8628.